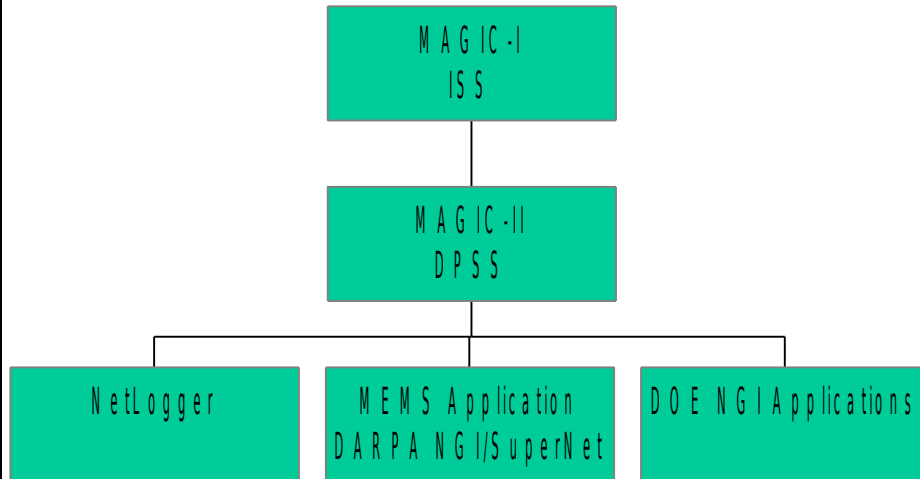


Evolution of DPSS Technology



New Ideas

- A high-speed, parallel, network-aware, data cache that provides remote data access that is actually faster than a typical local disk. We have demonstrated read/write throughput of 57 MB/sec over an OC-12 WAN.
- Comprehensive network, host, and application-level monitoring and analysis methodology that allows one to correlate application behavior with host and network monitoring.

Impact

- A scaleable, high-speed, distributed storage system architecture, called the DPSS, that provides high throughput data streams, thus enabling new NGI applications.
- A network, host, and application instrumentation and monitoring methodology, called NetLogger, that provides the ability to do detailed performance analysis of distributed systems. This is critical to achieving performance in an NGI WAN environment.

Schedule

Install DPSS at Sarnoff Research Center	Help MEMS researchers add DPSS and NetLogger support	Deploy NetLogger monitoring on SuperNet	Help MEMS researchers tune applications for running over SuperNet
9/1999 9/2000	1/2000	6/2000	